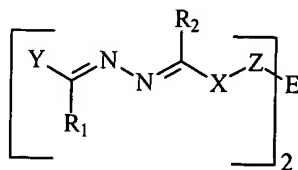


## ORGANOPHOTORECEPTOR WITH CHARGE TRANSPORT COMPOUND WITH AN AZINE GROUP

### Abstract of the Disclosure

- 5 Improved organophotoreceptor comprises an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport compound having the formula



- 10 where  $R_1$  and  $R_2$  are, independently, hydrogen, an alkyl group, an alkaryl group or an aryl group; X is an aromatic group; Y is an (N,N-disubstituted)arylamine; Z is  $(\text{CH}_2)_m$  group where m is an integer between 0 and 30 where one or more of the methylene groups is optionally replaced by O, S, C=O, O=C-O, O=C-NR<sub>3</sub>, sulfoxide, sulfate, phosphate, an aryl group, urethane, urea, NR<sub>4</sub> group, CHR<sub>5</sub> group, or CR<sub>6</sub>R<sub>7</sub> group where R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, and R<sub>7</sub> are, independently, H, hydroxyl, thiol, an amine group, an alkyl group, an alkaryl group, a heterocyclic group, or an aryl group, and E is a bond, O, S, C=O, NR<sub>8</sub>, CR<sub>9</sub>R<sub>10</sub> group, a heterocyclic group, or an aromatic group where R<sub>8</sub>, R<sub>9</sub>, and R<sub>10</sub> are, independently, H, an alkyl group, an alkaryl group, or an aryl group; and

- 15 (b) a charge generating compound. Corresponding electrophotographic  
20 apparatuses and imaging methods are described.